Index of Claims

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|---|
| 10/812,150              | SMITH ET AL.                            |
| Examiner                | Art Unit                                |
| Gopal C. Ray            | 2111                                    |

| 1 | Rejected | 1 | (Through numeral)<br>Cancelled |
|---|----------|---|--------------------------------|
| = | Allowed  | + | Restricted                     |

| Ν | Non-Elected  |   | Α | Appeal   |
|---|--------------|---|---|----------|
| 1 | Interference | • | 0 | Objected |

| Cla      | aim      | im Date    |                 |          |          |          |          |                         | Claim   |        |           | Date     |          |  |              |                 |          | ]!!!!    | CI                      | aim      | Date   |           |            |                 |          |          |          |          |            |          |                      |          |
|----------|----------|------------|-----------------|----------|----------|----------|----------|-------------------------|---|--------|-----------|----------|----------|--|--------------|-----------------|----------|----------|-------------------------|----------|--------|-----------|------------|-----------------|----------|----------|----------|----------|------------|----------|----------------------|----------|
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| Final    | Original | 11/9/05    |                 |          |          |          |          |                         |   |        | Final     | Original |          |  |              |                 |          |          |                         |          |        | Final     | Original   |                 |          |          |          |          |            |          |                      |          |
| 谎        | ا کِرْ   | 11/8       |                 |          |          |          |          |                         |   |        | i i       | ਵ        | '        |  |              |                 | l        |          |                         | 1        |        | ﻧĒ        | ĬŽ,        |                 |          |          |          |          |            |          |                      |          |
|          |          |            |                 |          |          |          |          |                         | $\perp$   |        | L         |          |          | L  |              |                 |          |          | $\perp$                 | 丄        | _      | L         |            | Ш               |          |          |          |          |            |          | $\Box$               | ╛        |
|          | 1        | 1          | Ш               |          |          |          |          | _                       | 4.  | _      | <u> </u>  | 51       |          | _  | L            |                 |          |          |                         |          | ]      | <u> </u>  | 101        | Ш               |          |          |          | Щ        |            | $\Box$   | $\perp$              | ╝        |
|          | 2        | 4          |                 |          |          |          |          | _                       | $\perp$   | 4      |           | 52       | <u>:</u> | 丄  | $oxed{oxed}$ |                 |          |          |                         | 1        | _      |           | 102        |                 |          |          |          | _        |            |          | $\dashv$             | _        |
|          | 3        | 1          | Ш               |          | Ш        |          |          | _                       | $\perp$   | _      |           | 53       |          | $oldsymbol{oldsymbol{\perp}}$  |              |                 |          | _ _      | $\perp$                 | _        | _      |           | 103        |                 | _        | _        |          | L        |            |          | _                    | ᆚ        |
|          | 4        | 1          |                 |          | Ш        |          | _        | 4                       | 4   | _      | <u> </u>  | 54       | _        |  | Ш            |                 |          |          |                         | $\perp$  | _      |           | 104        |                 |          |          |          |          |            |          | $\dashv$             | _        |
|          | 5        | 1          |                 |          |          |          | _        | _                       |   | _      | <u> </u>  | 55       |          | <u> </u>   |              |                 |          | _        | _                       | ļ        | _      |           | 105        |                 | _        |          |          |          |            | _        | _                    | _        |
|          | 6        | 1          |                 |          | $\sqcup$ |          | _        | -                       | _   | _      | <u> </u>  | 56       |          | _  |              | ш               |          | _ -      |                         | 4_       | 4      |           | 106        |                 | _        |          |          |          |            | _        | 4                    | 4        |
|          | 7        | ^          | $\dashv$        | _        | $\dashv$ |          | 4        | -                       | _   |        | <u> </u>  | 57       |          | -  |              |                 |          | -        | _                       | 1        | -      | <u> </u>  | 107        |                 | _        |          |          |          |            | _        | -                    | _        |
|          | 8        | 1          |                 |          | $\dashv$ | $\perp$  | $\perp$  | _                       | _   |        | <u>: </u> | 58       |          | -  | Ш            |                 | $\Box$   | _        | +                       | $\bot$   | 4      |           | 108        |                 | _        |          |          |          |            |          | _                    | _        |
|          | 9        | 1          | Н               |          | $\vdash$ |          |          |                         | +   |        | <u> </u>  | 59       |          | ـ  | _            |                 |          |          |                         | 4        | 4      |           | 109        | Н               | 4        |          |          |          |            | $\dashv$ | $\dashv$             | 4        |
|          | 10       | 1          | $\vdash \vdash$ | _        | $\dashv$ | $\dashv$ | -        | $\dashv$                | 4   | - :::  | <u> </u>  | 60       |          | ┼  | Н            | Н               |          | +        | +                       | +        | -      | <b></b>   | 110        | dash            |          |          |          | <u> </u> | Щ          |          | $\dashv$             | ᅴ        |
|          | 11       | 1          | $\dashv$        |          | -        |          | _        | $\dashv$                | +   | - :::  | <u> </u>  | 61       |          | +  | Н            | Н               |          | -        | +                       | +-       | -      | <u> </u>  | 111        | $\vdash \vdash$ |          | $\vdash$ |          | Ь.       | Ш          |          | $\dashv$             | $\dashv$ |
| <u> </u> | 12       | 1          |                 | _        | $\dashv$ |          |          | $\dashv$                | +   | -      | <u> </u>  | 62       |          | +-   | Н            | $\vdash \vdash$ |          | +        | +                       | +        | 4      | <b></b>   | 112        |                 |          | $\Box$   |          |          | $\square$  | _        | $\dashv$             | 4        |
|          | 13       | 1          | $\vdash$        | -        |          | -        |          |                         | +   | -      | <u> </u>  | 63       |          | +  | Н            | $\vdash$        |          | +        | +                       | +        | -      |           | 113        |                 |          | _        | _        | <b> </b> | Ш          |          | $\dashv$             | $\dashv$ |
|          | 14       | <b>V</b> ✓ | $\vdash$        |          |          | $\dashv$ | $\dashv$ |                         | -   |        | -         | 64       | +        | +-   | $\vdash$     | Н               | -        | -+-      | +                       | +-       | -      | <u> </u>  | 114        | $\vdash$        |          |          |          | $\vdash$ | $\vdash$   | $\dashv$ | $\dashv$             | $\dashv$ |
|          | 15<br>16 | <b>V</b> ✓ | $\dashv$        |          | -        | $\dashv$ | -        |                         | -+  | - :::  | -         | 65       |          | +-   | $\vdash$     | $\vdash$        | $\dashv$ | +        | +                       | +        | -      |           | 115        | $\vdash \vdash$ |          |          | $\vdash$ | Н        | $\vdash$   | -        | $\dashv$             | $\dashv$ |
|          | 17       | √          | -               | -        | -        | $\dashv$ |          | $\dashv$                | -   | -      | $\vdash$  | 66       |          | +  | $\vdash$     |                 |          | +        | +                       | +        | 1      | <b></b>   | 116<br>117 | $\vdash \vdash$ | $\dashv$ | $\vdash$ | $\vdash$ | $\vdash$ | $\vdash$   | $\dashv$ | $\dashv$             | $\dashv$ |
|          | 18       | √          | $\dashv$        | -        |          | $\dashv$ | $\dashv$ | -                       | +   | -      | $\vdash$  | 68       |          | ╀╌   |              |                 | -        |          | -+-                     | ╫        | -      |           |            | $\vdash$        | $\dashv$ | -        | -        |          | -          | $\dashv$ | $\dashv$             | $\dashv$ |
|          | 19       | H          | $\dashv$        | _        | -        | $\dashv$ | -        | -                       | +   | -      | <u> </u>  | 69       |          | ╀  | Н            | $\dashv$        | -        | +        |                         | ╁        | -      | <b></b> - | 118        |                 | ᅱ        | -        | -        |          |            | -        | $\dashv$             | -        |
|          | 20       | $\vdash$   | $\dashv$        | -        | $\dashv$ | $\dashv$ | -        | +                       | +   | -1:::  | -         | 70       |          | -  | Н            |                 | $\dashv$ | $\dashv$ | +                       | +-       | -      | <u> </u>  | 119<br>120 | $\dashv$        |          |          |          | -        |            | -        | $\dashv$             | $\dashv$ |
|          | 21       |            |                 | -        | -        | $\dashv$ | $\dashv$ | ᆉ                       | -   | - :::  | -         | 71       |          | +-   | Н            |                 | -        | -        | +                       | +        | -      | -         | 121        | $\vdash$        | $\dashv$ |          |          | Н        | =          | $\dashv$ | $\dashv$             | $\dashv$ |
|          | 22       | $\vdash$   | $\dashv$        |          | $\dashv$ | -        | -        | -                       | -+  | - :::  | -         | 72       |          | +  | Н            |                 | $\dashv$ |          | +                       | ╫        | -      |           | 122        | $\vdash$        |          |          |          | -        |            | $\dashv$ | $\dashv$             | $\dashv$ |
|          | 23       | Н          |                 | $\dashv$ | $\dashv$ | -        | -        | $\dashv$                | +   |        | $\vdash$  | 73       | +        | +-   | Н            |                 | -+       | +        | ╌                       | +        | -      |           | 123        | $\vdash$        | $\dashv$ | -        | -        | Н        | _          | $\dashv$ | $\dashv$             | $\dashv$ |
|          | 24       | $\vdash$   | -               | -        | $\dashv$ |          |          | $\dashv$                | +   |        | $\vdash$  | 74       |          | +  |              |                 | $\dashv$ |          |                         | +        | 1      | <u> </u>  | 124        |                 | $\dashv$ | -        | _        | Н        | $\dashv$   | $\dashv$ | -+                   | $\dashv$ |
|          | 25       |            |                 | $\dashv$ | -        | $\dashv$ | $\dashv$ | $\dashv$                | +   | - :::  | <u> </u>  | 75       | +        | ╁  | Н            |                 | ┵        | +        |                         | ╁        | -      |           | 125        | -               |          | $\dashv$ |          | -        |            | $\dashv$ | $\dashv$             | $\dashv$ |
|          | 26       |            | -               | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$                | -   | -      | -         | 76       |          | ╁  | Н            | $\dashv$        | $\dashv$ | +        | +-                      | +        | -      |           | 126        | $\dashv$        | $\dashv$ | -        | -        |          |            | $\dashv$ | $\dashv$             | -        |
|          | 27       |            | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ | +        | 十                       | +   |        | $\vdash$  | 77       |          | +-   | $\vdash$     | -               | +        | $\dashv$ | +                       | +        | -      |           | 127        |                 | -        |          | -        | -        |            | $\dashv$ | $\dashv$             | $\dashv$ |
|          | 28       |            | $\dashv$        | $\dashv$ | $\dashv$ | -        | $\dashv$ | 十                       | _   |        | $\vdash$  | 78       |          | +-   |              | $\neg$          | _        |          | 十                       | +-       | -      |           | 128        | $\dashv$        | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$   | ┪        | $\dashv$             | $\dashv$ |
|          | 29       |            | $\dashv$        | 一        | 十        | $\dashv$ | $\dashv$ | 十                       | +   |        | $\vdash$  | 79       |          | +  | $\vdash$     | -               | 7        | _        | +                       | +        | 1      |           | 129        | $\dashv$        | 7        | $\dashv$ | _        | -        | $\exists$  | $\dashv$ | $\dashv$             | $\dashv$ |
|          | 30       |            |                 | ┪        | 7        | T        | 7        |                         | $\top$  | اااا   | $\vdash$  | 80       |          | †  | Н            |                 | 寸        | $\dashv$ | +                       | +-       |        |           | 130        |                 | $\dashv$ |          | $\neg$   |          |            | $\dashv$ | _                    | ヿ        |
|          | 31       |            |                 | 一        | $\dashv$ | $\dashv$ | $\dashv$ | $\neg$                  | _   | ١      | -         | 81       |          | T  | Н            | $\dashv$        | T        | o        | ┪╴                      | 十        | 1      |           | 131        | $\neg$          | 寸        |          | $\neg$   |          | $\neg$     | $\neg$   | $\neg$               | ᅱ        |
|          | 32       |            | $\neg$          | _        | 寸        | $\dashv$ | T        | T                       | 十   | ٣      |           | 82       |          | T  | П            | 一               | 寸        |          | - -                     | 1        | 1      |           | 132        |                 | $\dashv$ |          |          |          |            | $\neg$   | 十                    | $\dashv$ |
|          | 33       | $\sqcap$   |                 |          |          |          | 寸        | 1                       | $\top$  | 7      |           | 83       |          | T  | П            | 一               | $\neg$   | $\dashv$ | 1                       | 1        | 1      |           | 133        |                 | _        |          |          |          |            | $\neg$   | $\top$               | $\dashv$ |
|          | 34       |            |                 |          |          |          |          | $\neg$                  |   |        |           | 84       |          | Т  |              | ヿ               | 寸        |          | $\top$                  | T        | 1      |           | 134        | $\Box$          | $\dashv$ |          |          | $\neg$   |            |          | $\dashv$             | $\dashv$ |
|          | 35       |            |                 |          |          |          |          |                         |   |        |           | 85       |          | Τ  | П            |                 |          |          |                         |          | 1      |           | 135        |                 | $\neg$   | $\neg$   |          |          |            | $\neg$   | $\top$               | $\neg$   |
|          | 36       |            |                 |          |          |          | $\Box$   |                         |   |        |           | 86       |          |  |              |                 |          |          |                         |          |        |           | 136        |                 |          | $\neg$   |          |          |            | 寸        | $\neg$               | $\neg$   |
|          | 37       |            |                 |          |          | $\Box$   |          |                         |   |        |           | 87       |          |  |              |                 |          |          |                         |          | ]::::: |           | 137        |                 |          |          |          |          |            | 寸        | 寸                    | $\neg$   |
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|          | 39       |            | $\Box$          | $\Box$   |          |          |          | $oldsymbol{\mathbb{I}}$ | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$ |        |           | 89       |          |  |              |                 |          |          | $oldsymbol{\mathbb{I}}$ | L        | ]      |           | 139        |                 |          |          |          |          |            | 丁        |                      |          |
|          | 40       |            | $\Box$          | $\Box$   | $\Box$   | $\Box$   |          | $\Box$                  |   |        |           | 90       | $\perp$  |  |              |                 |          |          |                         |          |        |           | 140        |                 | $\Box$   |          |          |          |            | $\Box$   | $\Box$               |          |
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|          | 44       | _          |                 | _        | $\dashv$ |          | _        | _                       | 4   | 4      | <u> </u>  | 94       | 1_       | _  | $\sqcup$     | _               | _        | _        | $\perp$                 | 1        | 4      |           | 144        |                 | [        |          |          |          | _]         | _[       | $\perp \!\!\! \perp$ | $\perp$  |
|          | 45       | $\dashv$   |                 | 4        | $\dashv$ | 4        | _        | 4                       | 4   | 4      | <u> </u>  | 95       |          | <b> </b>   | $\sqcup$     | _               | 4        | $\bot$   | +                       | 4_       | 4      |           | 145        | _               | _        | _        | ļ        |          | ļ          |          | $\perp$              | $\perp$  |
|          | 46       | _          | 4               | 4        | $\dashv$ | $\dashv$ | $\dashv$ | 4                       | $\perp$   | 4      | <u> </u>  | 96       |          | H  | $\sqcup$     | _               | _        | $\bot$   | $\bot$                  | $\bot$   |        |           | 146        | _ļ              | _        | _        |          |          | _          | _        | $\dashv$             | _        |
|          | 47       | _          | 4               | 4        | 4        | -        | 4        | -                       | 4   | -      | <u> </u>  | 97       |          | Ш  | $\sqcup$     | _               | $\dashv$ | _        | 4-                      | ↓_       |        |           | 147        | _               | _        |          | _        | _        | _          | _        | $\dashv$             | _        |
|          | 48       |            | $\dashv$        | _        | $\dashv$ | -        | -+       | $\dashv$                |   | -      | <u> </u>  | 98       |          | $\vdash$   |              | _               | 4        | +        | +                       | 1        |        |           | 148        | _               | _        | _        | _        | _        | <b>—</b> ↓ |          | _                    | _        |
|          | 49       | _          | -               | _        | -        | _        |          | 4                       | +   | -      | <u> </u>  | 99       | 4_       | $\vdash$   | $\dashv$     |                 | _        | 4-       | _                       | 1-       |        |           | 149        | _               | _        | _        | _        | _        | _          | 4        | $\dashv$             | $\Box$   |
|          | 50       | $\perp$    |                 |          |          |          |          |                         |   | _]:::: | <u> </u>  | 100      | )        | نــــــــــــــــــــــــــــــــــــــ  |              | _1              |          |          |                         |          | J‱i    |           | 150        | [               |          |          |          |          |            | $\perp$  | $\perp$              |          |